

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An optical ~~device comprises~~device, comprising:
a plurality of optical modulator units, each having a plurality of liquid-crystal panels and a plurality of exit polarizer plates arranged ~~by to be~~ heat insulation oninsulated from the plurality of liquid-crystal panels; and
a color-combining optical unit ~~for combining~~to combine parts of light modulated by the plurality of optical modulator units, the color combining optical unit having a plurality of incident surfaces;
~~characterized in that the~~ plurality of exit polarizer plates of the plurality of optical modulator units each ~~are being~~ separated in an optical axis direction, to have two exit polarizer plates ~~of including~~ a first exit polarizer plate arranged at an exit side and a second exit polarizer plate arranged at an incident side of each incident surface.
2. (Currently Amended) The optical device ~~as claimed in~~of claim 1, ~~characterized in that the~~each first exit polarizer plate arranged to be thermally insulated from each and thecorresponding second exit polarizer plate ~~are arranged thermally insulated from each other.~~
3. (Currently Amended) The optical device ~~as claimed in~~of claim 2, ~~characterized in that~~further comprising for each incident surface of the color-combining optical unit:
a first heat conductor plate;
the color-combining optical unit is bonded with athe first heat conductor plate on each incident surface ~~thereof and bonded with;~~ and

_____ the first exit polarizer plate is bonded on the first heat conductor plate, and attached with a plurality of heat-insulation pins projecting toward the liquid-crystal ~~panel, panel;~~ and

~~wherein,~~ on the plurality of heat-insulation pins, a polarizer-plate holding frame ~~for holding to hold~~ a second heat conductor plate bonded with the second exit polarizer plate and a liquid-crystal panel holding frame holding the liquid-crystal panel are mutually fixed with a predetermined spacing.

4. (Currently Amended) The optical device ~~as claimed in~~ of claim 1, ~~characterized in that the first exit polarizer plate-plates being thermally connected and the to~~ corresponding second exit polarizer ~~plates~~ plate are thermally connected.

5. (Currently Amended) The optical device ~~as claimed in~~ of claim 4, ~~characterized in that~~ further comprising for each incident surface of the color-combining optical unit:

_____ a first heat conductor plate;

_____ -the color-combining optical unit is bonded with ~~the~~ a first heat conductor plate on each incident surface ~~thereof and bonded with~~

_____ the first exit polarizer plate is bonded on the first heat conductor plate, and attached with a polarizer-plate holding frame holding a second heat conductor plate bonded with the second exit polarizer plate,

~~wherein~~ the first heat conductor plate or the polarizer-plate holding frame is being attached with a plurality of heat-insulation pins projecting toward the liquid-crystal ~~panel, panel;~~ and

a liquid-crystal panel holding frame holding the liquid-crystal panel being fixed on the plurality of heat-insulation pins.

6. (Currently Amended) The optical device ~~as claimed in any of claims of claim 1 through 5~~, characterized in that further comprising:

_____ ~~the a~~ first heat conductor plate is thermally connected to a heat conductive block which is adjacently connected to the color-combining optical ~~unit~~, unit; and

_____ ~~the a~~ plurality of liquid-crystal panel holding ~~frame~~ frames being thermally joined to an optical component housing supporting the color-combining optical unit.

7. (Currently Amended) The optical device as claimed in claim 3 ~~or 5~~, ~~characterized in that~~ the plurality of polarizer-plate holding frames are thermally connected with each other.

8. (Currently Amended) The optical device ~~as claimed in of~~ claim 7, ~~characterized in that~~ the plurality of polarizer-plate holding frames are thermally connected by heat conductive rubber.

9. (Currently Amended) The optical device ~~as claimed in of~~ claim 7, ~~characterized in that~~ the plurality of polarizer-plate holding frames are thermally connected by a plurality of heat conductive layers adhered to mutually adjacent ~~two of the~~ polarizer-plate holding frames and a plurality of heat conductive members interposed between the heat conductive layers.

10. (Currently Amended) The optical device ~~as claimed in any of claims of claim 1 through 9~~, ~~characterized in that~~ the second exit polarizer plate has a cross transmissivity set at a transmissivity greater than 50% of a total transmissivity.

11. (Currently Amended) The optical device ~~as claimed in any of claims 1 through 10 of claim 3~~, ~~characterized in that~~ the first heat conductor plate is being formed by a member higher in heat conductivity than the second heat conductor plate.

12. (Currently Amended) An optical device ~~having, plurality in set~~, comprising:

~~_____ an a plurality of optical modulator unit-units each having a plurality of liquid-crystal panel-panels and an a plurality of exit polarizer plate-plates arranged by to be heat insulation on insulated from the plurality of liquid-crystal panelpanels, the optical device characterized in that:~~

~~the an optical modulator unit to be passed by a greatest intensity of light among the plurality of optical modulator units comprises including two exit polarizer plates which the exit polarizer plates are arranged separately in an optical axis direction.~~

13. (Currently Amended) A ~~projector-projector~~, comprising:

an illumination device ~~for emittingto emit~~ illumination light;

a color-separation optical system ~~for separatingto separate~~ illumination light emitted from the illumination device into a plurality of color lights; and

a plurality of optical devices ~~for modulatingto modulate~~ color lights separated by the color-separation optical system and ~~forming-form~~ an image, ~~the projector characterized in that:~~

the optical device ~~is-being~~ the optical device as claimed in ~~any of claims 1 through 12~~claim 1.

14. (New) The optical device of claim 13, each first exit polarizer plate arranged to be thermally insulated from each corresponding second exit polarizer plate.

15. (New) The optical device of claim 14, further comprising for each incident surface of the color-combining optical unit:

a first heat conductor plate;

the color-combining optical unit bonded with the first heat conductor plate on each incident surface; and

the first exit polarizer plate is bonded on the first heat conductor plate and attached with a plurality of heat-insulation pins projecting toward the liquid-crystal panel; and

on the plurality of heat-insulation pins, a polarizer-plate holding frame to hold a second heat conductor plate bonded with the second exit polarizer plate and a liquid-crystal panel holding frame holding the liquid-crystal panel are mutually fixed with a predetermined spacing.

16. (New) The optical device of claim 13, the first exit polarizer plates being thermally connected to corresponding second exit polarizer plates.

17. (New) The optical device of claim 16, further comprising for each incident surface of the color-combining optical unit:

a first heat conductor plate;

the color-combining optical unit is bonded with the first heat conductor plate on each incident surface and

the first exit polarizer plate is bonded on the first heat conductor plate and attached with a polarizer-plate holding frame holding a second heat conductor plate bonded with the second exit polarizer plate,

the first heat conductor plate or the polarizer-plate holding frame being attached with a plurality of heat-insulation pins projecting toward the liquid-crystal panel; and

a liquid-crystal panel holding frame holding the liquid-crystal panel being fixed on the plurality of heat-insulation pins.

18. (New) The optical device of claim 13, further comprising:

a first heat conductor plate thermally connected to a heat conductive block which is adjacently connected to the color-combining optical unit; and

a plurality of liquid-crystal panel holding frames being thermally joined to an optical component housing supporting the color-combining optical unit.

19. (New) The optical device as claimed in claim 15, the plurality of polarizer-plate holding frames are thermally connected with each other.

20. (New) The optical device of claim 19, the plurality of polarizer-plate holding frames are thermally connected by heat conductive rubber.

21. (New) The optical device of claim 19, the plurality of polarizer-plate holding frames are thermally connected by a plurality of heat conductive layers adhered to mutually adjacent polarizer-plate holding frames and a plurality of heat conductive members interposed between the heat conductive layers.

22. (New) The optical device of claim 13, the second exit polarizer plate has a cross transmissivity set at a transmissivity greater than 50% of a total transmissivity.

23. (New) The optical device of claim 15, the first heat conductor plate being formed by a member higher in heat conductivity than the second heat conductor plate.

24. (New) A projector, comprising:
an illumination device to emit illumination light;
a color-separation optical system to separate illumination light emitted from the illumination device into a plurality of color lights; and
a plurality of optical devices to modulate color lights separated by the color-separation optical system and form an image,
the optical device being the optical device as claimed in claim 12.